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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/787,328B

DATE: 11/06/2002
TIME: 14:43:42

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\11062002\I787328B.raw

3 <110> APPLICANT: Yu, Long
4 Zhang, Honglai
5 Fu, Qiang
6 Zhao, Yong
7 Tu, Qiang
9 <120> TITLE OF INVENTION: NEW HUMAN HEPATOMA-DERIVED GROWTH FACTOR ENCODING SEQUENCE

AND

10 POLYPEPTIDE ENCODED BY SUCH DNA SEQUENCE AND PRODUCING METHOD THEREOF
12 <130> FILE REFERENCE: 9548.50USWO
14 <140> CURRENT APPLICATION NUMBER: US 09/787,328B
15 <141> CURRENT FILING DATE: 2001-03-16
17 <150> PRIOR APPLICATION NUMBER: PCT/CN99/00139
18 <151> PRIOR FILING DATE: 1999-09-06
20 <150> PRIOR APPLICATION NUMBER: CN 98119758.2
21 <151> PRIOR FILING DATE: 1998-09-22
23 <160> NUMBER OF SEQ ID NOS: 10
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 23
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
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39 <210> SEQ ID NO: 2
40 <211> LENGTH: 26
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
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53 <212> TYPE: DNA
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61 atggcgcgtc cgcggccccg cgagtacaaa gcgggcgacc tggcttcgc caagatgaag 180
63 ggctaccgcg actggccggc cggattgat gaactcccag agggcgctgt gaagcctcca 240
65 gcaacaagt atcctatctt cttttttggc acccatgaaa ctgcatttct aggtcccaaa 300
67 gacctttttc catataagga gtacaaagac aagtttggaa agtcaaaca acggaaagga 360

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69 ttttaacgaag gattgtggga aatagaaaaat aacccaggag taaagtttac tggctaccag      420
71 gcaattcagc aacagagctc ttcagaaaact gagggagaag gtggaaatac tgcagatgca      480
73 agcagtgagg aagaaggtga tagagtagaa gaagatggaa aaggcaaaaag aaagaatgaa      540
75 aaagcaggct caaaacggaa aaagtcatat acttcaaaga aatcctctaa acagtcccgg      600
77 aaatctccag gagatgaaga tgacaaaagac tgcaaaagaag aggaaaacaa aagcagctct      660
79 gaggggtggag atgcgggcaa cgacacaaga aacacaactt cagacttgca gaaaaccagt      720
81 gaagggacct aactaccata atgaatgctg catattaaga gaaaccacaa gaaggttata      780
83 tgtttggttg tctaataattc ttggatttga tatgaaccaa cacatagtcc ttgttgatcat      840
85 tgacagaacc ccagtttgta tgtacattat tcatattcct ctctgttggtg ttctggggggg      900
87 aaaagacatt ttagcctttt ttaaaaagtta ctgatttaat ttcattgttat ttggttgcat      960
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96 <212> TYPE: PRT

97 <213> ORGANISM: Homo sapiens

99 <400> SEQUENCE: 4

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106      20      25      30
109 Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro Ile Phe Phe
110      35      40      45
113 Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro
114      50      55      60
117 Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser Asn Lys Arg Lys Gly
118 65      70      75      80
121 Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Gly Val Lys Phe
122      85      90      95
125 Thr Gly Tyr Gln Ala Ile Gln Gln Gln Ser Ser Ser Glu Thr Glu Gly
126      100      105      110
129 Glu Gly Gly Asn Thr Ala Asp Ala Ser Ser Glu Glu Glu Gly Asp Arg
130      115      120      125
133 Val Glu Glu Asp Gly Lys Gly Lys Arg Lys Asn Glu Lys Ala Gly Ser
134      130      135      140
137 Lys Arg Lys Lys Ser Tyr Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg
138 145      150      155      160
141 Lys Ser Pro Gly Asp Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn
142      165      170      175
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154 <211> LENGTH: 29

155 <212> TYPE: DNA

156 <213> ORGANISM: Artificial Sequence

158 <220> FEATURE:

159 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)

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178 <211> LENGTH: 29
179 <212> TYPE: DNA
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189 <210> SEQ ID NO: 8
190 <211> LENGTH: 29
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
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202 <211> LENGTH: 1563
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204 <213> ORGANISM: Mus musculus
206 <400> SEQUENCE: 9
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209 catgtcgcga tccaaccggc agaaagagta caagtgcgga gacctggtgt ttgcgaagat 120
211 gaaaggatac ccacactggc cggcccggat tgatgagatg cctgaggctg cagtgaagtc 180
213 aacagccaac aaataccaag tctttttttt tgggacccat gagacggcat tctggggccc 240
215 caaagacctc ttcccttatg aggaatccaa ggagaagttt ggcaagccca acaagaggaa 300
217 aggggttcagc gaggggctgt gggagatcga gaacaacctt acagtcaagg cctctggcta 360
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221 ggggtgacggg gataagaagg gcagtgacga gggcagcagc gacgaagaag ggaaactggt 480
223 gatcgatgaa ccagccaagg agaagaacga aaagggcacg ctgaagagga gagcagggga 540
225 tgtgttgagg gactccccta aacgtcccaa ggagtcagga gaccatgagg aggaggacaa 600
227 ggagatagct gccttgagg gtgagaggca cctgcctgta gaggtggaga agaacagcac 660
229 cccctctgag ccagactctg gccagggacc tctgcagag gaagaagagg gagaggaaga 720
231 ggctgccaaag gaagaggctg aagccccagg cgtcagagat catgagagcc tgtagccacc 780
233 aatgtttcaa gaggagcccc tgcccgttc ctgctgctgt ctgggtgcta ctggggaaac 840
235 tggccatggc ctgcaaaact ggaacccttt cccaccctat ttaccctaact cctcactca 900
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239 atatacacc tgtgccccag gatgagatga ggcctttgta tctctttaca cttgtttccc 1020
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247 ttcccatctg cctacattca agaaacagga cactgtggga gagaggctac catccatcca 1260
249 taaatccttg ttgatttttg ggaacactta tccccctgac cccagggttc aaggaattgt 1320
251 agtttaacat ctagactttg gagtttccaa gtttgggcct aggacctgga gggagctaag 1380
253 agctgaagaa tcaactgatt tgcattgagg aaatgtctct ttagatctca gggcagaaat 1440
255 gataacctgg ggagacctgc tgccttcac tacttcccaa tgcttgaggc cagcctgtag 1500
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263 <211> LENGTH: 237
264 <212> TYPE: PRT
265 <213> ORGANISM: Mus musculus
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277 Met Pro Glu Ala Ala Val Lys Ser Thr Ala Asn Lys Tyr Gln Val Phe
278 35 40 45
281 Phe Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe
282 50 55 60
285 Pro Tyr Glu Glu Ser Lys Glu Lys Phe Gly Lys Pro Asn Lys Arg Lys
286 65 70 75 80
289 Gly Phe Ser Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Thr Val Lys
290 85 90 95
293 Ala Ser Gly Tyr Gln Ser Ser Gln Lys Lys Ser Cys Ala Ala Glu Pro
294 100 105 110
297 Glu Val Glu Pro Glu Ala His Glu Gly Asp Gly Asp Lys Lys Gly Ser
298 115 120 125
301 Ala Glu Gly Ser Ser Asp Glu Glu Gly Lys Leu Val Ile Asp Glu Pro
302 130 135 140
305 Ala Lys Glu Lys Asn Glu Lys Gly Thr Leu Lys Arg Arg Ala Gly Asp
306 145 150 155 160
309 Val Leu Glu Asp Ser Pro Lys Arg Pro Lys Glu Ser Gly Asp His Glu
310 165 170 175
313 Glu Glu Asp Lys Glu Ile Ala Ala Leu Glu Gly Glu Arg His Leu Pro
314 180 185 190
317 Val Glu Val Glu Lys Asn Ser Thr Pro Ser Glu Pro Asp Ser Gly Gln
318 195 200 205
321 Gly Pro Pro Ala Glu Glu Glu Gly Glu Glu Glu Ala Ala Lys Glu
322 210 215 220
325 Glu Ala Glu Ala Pro Gly Val Arg Asp His Glu Ser Leu
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VERIFICATION SUMMARY

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